

Comparisons of Job Characteristics

Focus Occupation: [Industrial-Organizational Psychologists \(19-3032\)](#)

Associated Occupation: [Sociologists \(19-3041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 61

Focus Occupation: Industrial-Organizational Psychologists (19-3032)

Associated Occupation: Sociologists (19-3041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Sociology and Anthropology	4.1	25.0	12.9	<< Extensive education and/or training may be required
English Language	11.2	18.6	18.4	0 Current knowledge level may be sufficient
Mathematics	9.2	15.3	16.9	> Current knowledge level is likely sufficient
Psychology	6.4	12.7	21.5	>> Current knowledge level is likely more than sufficient
Philosophy and Theology	3.2	10.4	6.1	<< Extensive education and/or training may be required
History and Archeology	2.6	8.7	2.3	<< Extensive education and/or training may be required
Geography	3.9	7.0	3.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Industrial-Organizational Psychologists (19-3032)

Associated Occupation: Sociologists (19-3041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Reading Comprehension	10.7	17.3	15.5	< A higher skill level may be required
Writing	9.2	15.9	14.6	0 Current skill level may be sufficient
Speaking	10.8	15.7	14.4	0 Current skill level may be sufficient
Active Listening	11.0	15.2	14.8	0 Current skill level may be sufficient
Critical Thinking	10.8	14.5	14.8	0 Current skill level may be sufficient
Science	4.5	13.8	12.0	< A higher skill level may be required

Social Perceptiveness	9.1	12.8	13.6	0	Current skill level may be sufficient
Active Learning	8.7	12.6	11.7	0	Current skill level may be sufficient
Instructing	7.8	12.5	9.4	<<	Extensive development of skills in this area may be required
Learning Strategies	7.2	11.8	11.8	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 95			
Focus Occupation: Industrial-Organizational Psychologists (19-3032) Associated Occupation: Sociologists (19-3041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	17.0	15.7	0	Current ability level may be sufficient
Written Expression	9.8	16.4	15.4	0	Current ability level may be sufficient
Oral Comprehension	12.5	15.9	15.4	0	Current ability level may be sufficient
Written Comprehension	11.0	15.7	15.4	0	Current ability level may be sufficient
Speech Clarity	10.2	14.4	13.0	<	Some improvement in abilities may be required
Deductive Reasoning	10.6	13.9	14.4	0	Current ability level may be sufficient
Inductive Reasoning	10.2	13.3	13.2	0	Current ability level may be sufficient
Originality	7.6	10.4	11.9	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
Focus Occupation: Industrial-Organizational Psychologists (19-3032) Associated Occupation: Sociologists (19-3041)		
Work Activities	Exclusivity of Activity	
Advise clients or customers	19	
Advise governmental or industrial personnel	28	
Analyze scientific research data or investigative findings	27	
Analyze social or economic data	63	
Collect scientific or technical data	30	
Collect social or personal information	70	
Collect statistical data	47	
Communicate technical information	4	
Compile information through interviews	68	
Compile numerical or statistical data	38	
Conduct field research or investigative studies	52	

Confer with research personnel	50
Confer with scientists	54
Create mathematical or statistical diagrams or charts	43
Develop or maintain databases	30
Develop plans for programs or projects	31
Develop policies, procedures, methods, or standards	21
Develop scientific or mathematical hypotheses, theories, or laws	62
Develop tables depicting data	33
Direct and coordinate scientific research or investigative studies	27
Direct implementation of new procedures, policies, or programs	60
Explain complex mathematical information	30
Follow confidentiality procedures	58
Forecast or predict phenomena based upon research data	71
Interpret charts or tables for social or economic research	70
Maintain awareness of social trends	71
Make presentations	13
Obtain information from individuals	24
Perform statistical modeling	76
Plan scientific research or investigative studies	48
Plan surveys of specified group or area	80
Prepare reports	8
Prepare technical reports or related documentation	22
Provide expert testimony on research results	66
Recognize interrelationships among individuals or social groups	74
Recognize interrelationships among social statistics or indicators	77
Recommend further study or action based on research data	60
Use computers to enter, access or retrieve data	3
Use conflict resolution techniques	56
Use current social research	62
Use interpersonal communication techniques	10
Use interviewing procedures	23
Use knowledge of investigation techniques	16
Use library or online Internet research techniques	21
Use mathematical or statistical methods to identify or analyze problems	30
Use oral or written communication techniques	1
Use project management techniques	47
Use public speaking techniques	13
Use quantitative research methods	35
Use relational database software	26
Use scientific research methodology	21
Use spreadsheet software	18
Use word processing or desktop publishing software	17
Work as a team member	36
Write research or project grant proposals	33
Write scholarly or technical research papers	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Industrial-Organizational Psychologists (19-3032)

Associated Occupation: Sociologists (19-3041)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.